



<b>(51) 国際特許分類6</b> <b>B65D 25/34, C23C 28/00, B32B 15/08</b>	<b>A1</b>	<b>(11) 国際公開番号</b> <b>WO00/23336</b>  <b>(43) 国際公開日</b> 2000年4月27日(27.04.00)
<b>(21) 国際出願番号</b> PCT/JP99/05727  <b>(22) 国際出願日</b> 1999年10月18日(18.10.99)  <b>(30) 優先権データ</b> 特願平10/296570      1998年10月19日(19.10.98)      JP 特願平11/191477      1999年7月6日(06.07.99)      JP  <b>(71) 出願人 (米国を除くすべての指定国について)</b> 日新製鋼株式会社(NISSHIN STEEL CO., LTD.)(JP/JP] 〒100-8366 東京都千代田区丸の内三丁目4番1号 Tokyo, (JP) トヨタ自動車株式会社 (TOYOTA JIDOSHA KABUSHIKI KAISHA)(JP/JP] 〒471-8571 愛知県豊田市トヨタ町1番地 Aichi, (JP) <b>(72) 発明者 ; および</b> <b>(75) 発明者 / 出願人 (米国についてのみ)</b> 武津博文(TAKETSU, Hirofumi)(JP/JP] 山本雅也(YAMAMOTO, Masaya)(JP/JP] 和泉圭二(IZUMI, Keiji)(JP/JP] 〒592-8332 大阪府堺市石津西町5番地 日新製鋼株式会社 技術研究所内 Osaka, (JP)		<b>(74) 代理人</b> 弁理士 小倉 亘(OGURA, Wataru) 〒171-0043 東京都豊島区要町三丁目23番7号 大野千川ビル201 Tokyo, (JP)  <b>(81) 指定国</b> DE, US  添付公開書類 国際調査報告書
<b>(54)Title: <u>ALUMINUM-PLATED STEEL SHEET FOR FUEL TANK AND PROCESS FOR PRODUCING FUEL TANK FROM THE STEEL SHEET</u></b>  <b>(54)発明の名称</b> 燃料タンク用A1系めっき鋼板及びその鋼板を用いた燃料タンクの製造方法  <div style="text-align: center;"> </div>  <b>(57) Abstract</b> An aluminum-plated steel sheet for fuel tanks which is obtained by directly forming a resin film comprising an alkali-soluble resin on a surface of an aluminum-plated steel sheet and is excellent in scoring resistance during pressing and resistance to corrosion by the fuel to be stored. The alkali-soluble resin is preferably a urethane or acrylic resin which is soluble in an aqueous alkali solution having a pH of 9.0 or higher, has incorporated in the molecule thereof carboxyl groups wherein 1 to 50 % of the hydrogen atoms may have been replaced with an alkali metal, and has an acid value of 40 to 90. The resin film may contain 1 to 25 wt.% synthetic resin particles and/or 1 to 30 wt.% silica particles. The film preferably has a thickness of 0.2 to 5.0 μm. The aluminum-plated steel sheet having the resin film is shaped into an upper fuel tank member and a lower fuel tank member by pressing and then subjected to an alkali cleaning to dissolve away the resin film. The upper and lower tank members are then bonded to each other and the external surface thereof is coated to produce a fuel tank.		